ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION RECORDS

Numbers 859 to 902

53.21. 30 53.18 53.33.30 90. 53 33. 3 630 238 36.26 3 28 328 39.54.30 3958 450/3 450 450 344 (28 344 28 46 1 46 60/296 (4.56 2/562/20 14

Brok M. 3 1880 USS. Fish Hank. Heodquarters. R.L. All bearings mognetic in this book. Foranglish mas.

All bearings in this book Magnetice Dr Van Yhich

Chester Robe Dredge -

Instrument used. Current number of observation. Date, Alph. 8 Locality, Allantie Clean Bearings, Citty hunk Ligh 3 miles Time of day, //. 20 and; of tide, State of sky, Clan-Temperature of air, 68 surface of water, 66 at depth of 5 fathoms, 65 of bottom. 63 Depth, in fathoms, /7/> Nature of bottom, Direction of surface current, 12mol Force of surface current, Direction of bottom current, Ll. Name of vessel, To what service attached, Name and rank of commanding officer, Name and position of observer, Alw HE Vun

819 REMARKS. Andge come up foul - a mese mater houl - nothing in the net tondy a few free of Laminaria hanging to the Rope also mine trypipes Phaseolasma. Heredo.

Cheater Rake Morelys -

Instrument used, 21 3
Current number of observation, 860
Date, Selet 35
Locality, allantie Orean.
Bearings, Cutty hunk Light 11/2 m
miles.
Time of day, 11. 5 3 am; of tide,
State of sky, Clans
Temperature of air, 70
" sarface of water, 66 (4645)
" at depth of 5 fathoms, 65
" of bottom, 64 (40007)
Depth, in fathoms, /7/L
Nature of bottom, much.
Direction of surface-current, mand A W
Force of surface oursest, No 2
Direction of bottom current, Diff w
Force of bottom current, do 1/4
Name of vessel, Fish hanks
To what service attached, W. S. Froh Com:
Name and rank of commanding officer,
Lient It. Lannew
Name and position of observer,
the same and a second section of the second
Do F.C. van blick -

860 REMARKS. Rich in annelido + a - pudo, molluntes. amphi. WHITE TO Frank

TEMPERATURE RECORD.

70 3

Instrument used,

Current number of observation, 86 /.
Date, left 2d
Locality, Allantie Cleum.
Bearings, Cutty hunk light N 3/4 m
3 3/4 miles .
Time of day, /2, 20 ; of tide,
State of sky, Clean
Temperature of air, 69
" surface of water, 66 (464 wo)
" at depth of 5 fathoms, 65 (10f-65-)
" of bottom, 61. (40777)
Depth, in fathoms, /7.
Nature of bottom, Junel -
Direction of surface correct, much & m
Force of surface current, Minch 2
Direction of bottom correct, Duff
Porce of bottom current, do 1/4 mile
Name of vessel, Frish Hanks
To what service attached, wf L
Name and rank of commanding officer,
Lt. Z. L. Lamen.
Name and position of observer,
Da & C. van Which

861 REMARKS. Subjecte Compacta Homans americanus asterias vulgaris Empregamo Bembardus Matiforiens outlaters. Caulen Amerlia alo privoralus Rennolleres muculalus. howl

Instrument used, 20 3-	
Current number of observation, \$22	
Date, Sept 30	
Locality, allert tie Chris	
Brustope Cutty knows Light	North
4 miles	
Time of day, /2. 53 ; of tide,	
State of sky, Clar	
Temperature of air, & &	
" surface of water. 66	(46401)
" at depth of 5 fathence, 65	
of hostom. 6 Ly	(4 000 7)
Depth, in fathous, 17	
Nuture of Inition, Aan L	
Direction of saring correct, Trand 2 W	
Farm of surface current.	
Direction of boston and the fit	
the of comments. To 1/4	mile
Name of years),	
to anacordo at shell 314 AC	
Vame and rank of communiting officer.	
213 L. Lan	
Kame and position of abserver,	
11 1/2 2 2 2 2	1 /

862 REMARKS. Philyoni chus oullalus Employarus Bembardus Caucen bosedis Hymanic dinericanus Lalins Stalin Cirkella sang um denta asterias boulgaris Subentes Combauta

Oseter lake Surge.

Instrument used. 71 3
Current number of observation. 663
Date Act J - Known Lover
Locality, de
marines artichembe Light N'/8 E.
3 3/4 miles
Time of day, 1. 40 ; of tide, florest
State of sky, Clan
Temperature of air, 70
surface of water, 67 (42600)
" at depth of 10 fatherns # 65 (5 Late 65)
of horton, 65 (40-70 %)
Depth, in fathers, 18
Nature of bottom, Mul
Direction of me - corners, Brown A Fr
Form of streken armed,
Mirection of homes were drift &
Friede of Lettern worth, DDV 19 11196.2.
Name of words. Fish Rente
To what service attached, Ly T.C.
Name and rank of communiting officer.
432 Lamen
Name and position of abserver.
Dr Fl van Which

Rume a 2 860 Valdia limatula very large.

Alredot -

Instrument used, 2	
Current number of observation.	
Date: Sept - 3	
Locality, Vineyand Loyal	
Bearings you Heart Eight - R.	0 m / 2
5/10 miles	
Time of day, 3 pro 1 of tide, front	
State of sky. May	
Temperature of air. 70	
surface of water. 67	(46100)
at depth of 5 tathons, 66	
of homeon, 65	(0000)
Depth, în fathams, /3	
Nature of Institute. Sand	
Direction of surface current, 7 222 A Y	~
Form of surface corners. do 2	
Observation of house the state of the state	
From of britain commit.	1/4 m
Name of vessel, Brik Hands	7
To what service attached, W. S. F. C.	
Name and rank of commanding officer,	
At 3 L Lamen	
Name and position of observer,	
Al Fil van blick	
//	

hand

Instrument used, 76 3
Current number of observation, 565
Dain. Rept. 24
Locality, allantie
Bearings, Lat. 40 x 05 N.
rgillo, 23 great
Time of day, 5- to 2 : of tide,
State of sky.
Temperature of air, '7
surface of water, 73
at depth of \$\int \text{fathous}, 75
1 11 moreon, L. L. Vision 66,5-4640
Depth, in fathous. 65
Natural lattern. Look Look Look
Direction of sucher warrant, Transact Titles
Force of sarrian consent. als
Direction of hottom-correct. March & h &
Por of hottom in the do by mile
Same of view. Lich House
To what service attached, Life File
Yame and rank of commanding officer,
D. J. L. Lameted
Same and position of observer,
12 KC van Hick
+

REMARKS. 46 your Hen . look by forting of the wine more to being craft weekle the Auguste James an thomasynters on not white for botten and intermediate burn brothers frymethy bring improved by willing of the ship.

Instrument used. 20 \$
Correct number of observation, 866
Date, lept 4
Locality, Ellaste
Bearings Late 40.05:18 Long - 76. 22,18 0
Time of day, 6 7 0 Line; of ride.
State of sky, else-
Temperature of air, 93
" surface of water. > 3. 14 64 50)
" at depth of 3 " fathours, 74,5"
" of bottom, 68.5-(2) (46401)
Depth, in futhors. 65.
Nature of histom. Said thenot -
Direction of surface correct. French Jan
Form of sarker comment. do 1-0
Direction of bottom assessed Worth 1/2 X &
Finne of button mount. It 12 Junta
Name of vessel, Fish Hands
Po what service attached, 24 4 E
Name and rank of commanding officer,
LI 3 L. Zamen
Name and position of sources.



Rober druge

TEMPERATURE RECORD.

Instrument used.	
Current number of observation,	
Date. Store 40	
Locality, allantes.	
Bearings, Jun- 419. 25- 42 2. Fry	70.220
Time of day, 7, 64 ; of tide.	
State of sky, Claser	
Temperature of air, 75	
" surface of water, 73.	1666
" at depth of 5 fathers, 75,	46 1027
" of bottom, 5.3,	46400
Dopali, in futhams. 64,	
Nature of bottom, Sand Street	
Direction of contract current lived Color	
Force of surface current.	
and all the said to the	LE
Consult Summer Direct 3/	4
Name of vessel,	
En what service attached,	
Satur and rapk of congranting officer.	

Name and position of observer,

TEMPERATURE RECORD.

i e
Instrument used. In court
Current number of observation, 468
Date. Left 4.
Locality, allactor
Bearings, Lar 40.01.42 2. Long - 70.22 30
Time of day, & at 3 de, of tide.
Musicisky, Clear
Temperature of air. > 5
" surface of water. 55"
" at depth of 3" fathoms, 75" 43 - 7
of bostom, 47.
Depth, in fatheres. /62.
Nature of bottom, Lin Sand & Later the office.
Discortion of marine corners, land
Parco of automorphisms 11
Direction of Later moren, elimine 12. 25
Comment Colomo concrete 2/4 on water
Name of vessel,
To what service attached.
Vising and coule of manageding of Emil

Name and position of observer,

BEMARKS.

0-0
Instrument used,
Current number of abservation, 865
Date. Safrit if
Locative, allentie
Bearings, Look 4082,16 2 Long 70.23.00
Time of day, 9, 2, 76; of tide,
Since of sky, Claur
Temperature of air, 80
" suchee of water, 76, 4600
" strenge of water. 76, 4600
of bottom, 5-6 (2)
Depth. in fathems, 152.
Nature of bottom. Fire Steered
Direction of when our out fine for
DA 14
Direction of Later will work the
Porce of Justinia arrendy
Name of vessel,
To what service attached,
Name and rank of commanding officer.
Name and position of ole at

TEMPERATURE RECORD.

Ø.
Instrument used,
Current number of observation, 2 70.
Date. Supply 4.
Locality. allacetes
Buring Lat 4,0,00,26 for 00,225 8
Time of day, 16 5 Danie of tide.
State of sky, Claren
Temperature of air, SO
" surface of water, 5 5
" at depth of 5" fathams, 25"
" of buttom, and when -
Depth, in fathous, / 5 5.
Nature of bottom, Prival & for same
Window and House
Force of suclice entrent,
Direction of Latine commendate of the
home de bournament de la fact de la fact
Name of vessel,
To what service attached.
Name and made of commanding officer,

Some and position of observer,

TEMPERATURE RECORD.

90	
Instrument used, France -	
Current number of observation, & 7 /	
Date, Sept 4	
Locality, attenter	
Bearings low 40,02,54 h Ly 2023,4	2
Lup Mund de- 40.04.57. 23	
Time of day, 11.40 to of tide,	
State of sky,	
Temperature of air. 8 4	
" surface of water, 765	
at depth of \$ fathous, 95, 16-25	
4 of bottom, 45-	
Depth, in fathoms, 1/5=	
Nature of housem, Aunal of Line som	
Direction of surface confront, wind Calen	
Force of susface current, V	
Direction while diff 72. 2. 2. 27	
Force of bostom current. Det 3/4 viile	
Minister of versee),	
To what service attached,	
Name and rank of commanding officer.	

Name and position of observer,

Jes.

REMARKS,

TEMPERATURE RECORD.

12
Instrument used, Jeant
Current number of observation, 2872
Date, Seps 4.
Locality, attantic
Bearing of sep 40.05. 35 h. Lean, 2023.52
Time of day, 12, 45 ; of tide,
State of ster, Partially clear
Temperature of air, 8/
" surface of water. 77
at depth of 5 fathoms, 75
" of bottom, 50, 5
Depth. in fathours, 86
Sature of bottom, General & Shells . whomen
Direction of more minute Course Street
Parce of anti-consecut.
Derministration of Suit & Zexh
Finant Louise Sich 1/2 link.
Same at vessel. Firsks Harrie
"In what service attached. W. S. F. C.
have and rank of communiting officer. Level Z. Z. Variance
Entitie and tradition of abusements

J. a. Smith

Frank

Instrument need, 21 3	
Current number of observation, 873	
Done. Sept 13	
Locality, allante.	
Bearings. Lat - 40.02 N	
Long - 70. 57 27	
Time of day, 3.36 an ; of title,	
State of sky, Clan	
Temperature of air. 66	
" surface of water. 69.5"	46411
at depth of 5 fathous, 70, 10/70	
" of batton, 6	Uster
Depth. in fathous, 100	
Nature of bottom, must.	
Direction of statements hand 2 m	
Former of surface current. do 3	
Direction of bottom corners Left NW 4.	N
Force of bottom execute do 1/2 m.	
Name of vessel,	
To what survice attached,	
Name and rank of communiting officer,	
Name and position of observer,	

11. auchmodes asctifions, Inde may o merhicies bilinearis (49), 1. Raia 299. is work

TEMPERATURE RECORD.

Instrument uses,
Carrent number of observation. \$ 74
Date Jupl 13
Locality, Alexander
Bearings, Late 40
Ing 70.57 1 m
Time of day, 6.28 ann ; of tide.
State of eky. Ular
Temperature of sir, 70
· surface of water, 70
" at depth of 5 fathous, 70.5. 10-70. 20-64.
" of hetimo, 51 42 α ω ω
Depth, in fathous, 85
Nature of hottom, Mud.
Direction of surface oursent, rad ATT
Force of surface consent. In 2
Direction of Lottom current.
Force of bottom experis. do /2 Mile
Name of vessel,
To what service attached,

Name and position of observer,

Name and rank of commanding officer,

1. Prendiction for oblougies A Prendiction for oblougies Auchmotes aretificas/hordens) 4. Rosia ep. 161 4. " sign. Frank

Instrument used. 70
Current unmber of observation, 8 73
Dute, Dept 13
Locality, altern to
Bearings. Lak: 43967 M
Longe - 41. 57. 30 11.
Time of day, 7, 57 Good : of tide.
State of sky, Class
Temperature of air. 70
surface of water, 70 V65 /
" at depth of 5 fathons, 71, (18. 78) (20, - 230 3
" of hoston, 53
Depate, in hathems, 126
Nature of buttom; Trued.
Direction of surface current, money & TY
Force of surface essent.
Direction of Internation, Alberta Jr 1
Force of bottomerous, do 1/2 mile
Name of vessel,
To what pervice attached.
Name and rank of companding officer,
Name and position of observer,

1. auchinoses arctifiores

1. new geners flowers.

1. Sobaste, marines (49.)

Frank

Instrument used,
Current number of observation. 574
Date, 13
Locality, Militarity
Bearings, Lat 39.57
Long - 70, 56 in
Time of day, & 45 and; of tide.
State of sky, Clean
Temperature of sir, 63
surface of water. 70
" at depth of 5" fathous, 71. 15-70, 20-69. 30-
" of Lastone, 5-3
Deptis, in fathams. 120
Nature of hottom, make
Direction of surmountents Winnely Am
Force of surface current. 660 2
Direction of Bottom corners, therefore N
Force of bottom-energet is 1/4 m.
Name of vessel,
Fo what service attached,
Vanue and rank of conunanding officer.
Sume and position of observer,

Lophius pireatorius

Mondene sessilianda (bordenes)

Glipptocephalico reproglosaus (44)

Lucius fromdon

Mercius bilineasis (44)

Lebastes anarious (44)

Lebastes do nov.

Frame

I. Chuis andrius

5. Mousline describenda (Lorde ma)

merheins bilineans 149. /

anchrodes arctifored (Goode ma.)

1. Printheus miniatum 149. /

Falminorist ep.nor.

nearly, north tralve howth from
Sarah fire Sophulatilus chaeur.

Instrument used.
Current number of observation.
Dive, LLAX 13
Locality, -
Bearing 201-2455
Long - \$10.54.15 m
Time of day 11. Mul - ; of tide,
State of sky.
Temperature of air, 72
" surface of water, 7/
at depth of 5 fathoros, 75 10-75 (2.0-1
of horizon, 5.20
Depth, in fathoms, 142/2
Nature of hottom, Illing
Direction of successions. Brown 1277
Form of smiles exercise, old 2
Direction of College was the self of the self
Form of byttom research 60 de 2/1
Name of vessel,** # 1
Fo what service attached.
Name and rank of communiting officer,
All I Leave -
Name and position of observer,

1. Lophius picatorius
merlucius bilinearis ygrad.
ripe a pawon.
1. Plugiis temis?!
14. Pohipis Cherteri ygraol.
3. Impione glittimase
6. Alchemistrs arotipores book me.
1. Plugitocephalus cipioglorecus. (49.)
2. Bloalt, manuas (49.)
6. Salmanorel epaor.
2. Ames cimbrus.

Trust

Instrument used,
Current number of observation,
Date. Light 13
Locality,
Bearings, 2 1- 37 9 37
61.20 70.54 W
Time of day, fine / 7 70 ; of tide,
State of sky. Harty
Temperature of air, 7_2
surface of water, 7/, 3
- as dispose of 5 factories, 17 10 - 11 20 - 70
of bottom, : 42
Depth, in fatherns, 225
Natural bottom, Assert 1800
Direction of surface correct; 7, L. 2 W
Force of surface oursent,
Direction of bottom correct. 12 1/2 Ny 77
Force of hottom correct, do 1/2 m
Name of vessel,
To what service attached,
Name and rank of commanding officer,
200-0-2
Name and position of observer,

Physics Chester yourned.

Macrinis Carminatus (Sordemas)

Macrinis Carminatus (Sordemas)

Lyrotes Vinitlii.

Physics Vinitlii.

Physics phalus aproposesus.

I Halientichthips acciliatus

Merhicus bilineasis

Rosia egg.

Fruit

19 7 1
Instrument used.
Current number of observation,
Date, _ //at 13
Leadity,
Bearings, Loh - 39. 48.30
hong - 70. 54 m
Time of day, 3 12 h m ; of side,
State of sky, Charley -
Temperature of air, 7 4
" surface of water, 77. a"
as depth of 5 fathons, 74 16-71
Depth, in fathous, 252 /2
Nature of bottom. Mark.
Direction of surface essent, Frank AW
Force of surface curpon. 260, 3
Direction of bottom commun. A
Force of Settom supresit.
Name of vessel, Head to A
To what service attached. 2 2
Same and rank of commanding officer,
Vaine and position of observer.

Elistic chalis exproposeus ad vyg.
Blusis Chesteri (spawn)
Macrines Baisdii (?)
Liperdes Vimillii.
2. Riparis vanula (cg.)
4. Signaphobrandus pinnatus.
Salmonoid.
hunichthys kalpaeens
Cottoid ys nov.
Raia 29.(3).
Raia 596.

Instrum-ot usel,
Current number of observation.
Date, Life 13
Locality,
Bearings, Fat 39-46-30 11
Fry 70-54-52 24
Time of day, 5 /2 2 ; of tide,
State of sky, House
Temperature of air, TD
surface of water, 7/
or depth of 5 fathome, 7/1 0 -71.47
of hostom, 42
Depth, to fatherns, 3 25.
Nature of Landing, And Lotton
Direction of Show Survey months and 2 m
Force of surface purposit. Olo 3
Direction of hotton energies, Alas fre m N 22
Force of bottom current No 1/2 22
Name of vessel, Frank Land
To what service attached, UA 3
Name and rank of commanding officer,
Name and position of observer.

Physis Cheateri.

1. Macrusus Bairdii (2)

6. Seo pelus epuor.

4 Shiptocephalus eynoplosereo yg.

5. Signaphobranchus pinnatus

Raia egg.

Tourl

Instrument used, 71 3
Current number of observation. 862
Date, Auch 17/80
Locality, Murry with Buy -
Locality, Murray worth Buy - Bearings, Harf new Rede. NYE/2 E.
2 1/8 miles
Time of day, 10.076 at side.
State of sky, EUL
Temperature of air, 6 Y
surface of water, 65 (VZ U2 2)
at depth of # fathons.
" of bottom, 67 (46472)
Depth, in futbours, 12/2
Nature of bottom, W. J.
Direction of mutace correct, March S W
Force of melacomorphism 1.5 2
Direction of bottom courses Alegh Agr
From it harmon more to 1/4 mile
Varino de Viessel; Zish Emile
to what service strawers,
vame and rank of communities officer.
Thy I do
Same and position of observer.

REMARKS,

Symposition fuscus.

Forthopetta maculata

Paludorhornbus obloriques (garad.)

Prendopliuromett. amenicalnus

Limanal furriques

Stinotomus argyrops

Prioretus carolinus

Poronetus triacanthus

Cynoteion realis

Rais minacia

Lucuis

Esparterioi

Physistemus 199.)

Frank

Instrument used, 72
Current number of observation, "T 83
Date. Light 17
Locality, narroy unsett Buy
Bearings, Harf Day Rock- NE wy
2/4 miles
Time of day, //.35 ; of tide,
State of sky, Clar
Temperature of air, 70
" surface of water, 65
at depth of fathons,
of bottom, 68 1/2
Depth, in fathoms, 13
Nature of bottom, Thuk
Direction of suppose current many 12 W 12
Force of surface convent, do 2
Direction of instances and Alugh & W
Force of topon word, do 7/22
Name of vessel, Frish Here
To what service attached, W/4C
Natue and rank of commanding officer,
AV3 L Luman
Name and position of observer,

Parispleusoneste americanus

for properta morculata
Limonola perregimene
Prendorhorubus orbiongus (grad)
Physis tumis (49)
Poronolus triazanthus (4970)
Eleutomus argupopo
Cynteion ngalis
Proportus alarris
Proportus arrises
Proportus arrives
Propo

Jester Rake Aredye

Institution used, 71
Current number of observation, 884
Date. As feb 17
Locality, Throughou with ideas
Brainer Pope Polard NE /2E
200 yde
Time of day 2 //) ; day.
State of sky, Ellan
Temperature of air, 72
" surface of water. 65
at depoint at fathering.
of buttom, 63,5
Depth, in fathoms, 5
Nature of bottom, Maid
Direction of surface consent, wind Aw
Purce of surface current do 3
Direction of lattom energy Heigh S. W.
Force of bottom Format, all 14 3
Name of vessel, Hich Hunk
To what service attached, U.J.F.
Name and rank of communicating officer, LFG L Lessures
Name and position of observer,

Instrument used. 2 3 the said
Current number of observation. 883
Date, Alfal 17
Locality, numer amount of
Bearings, Jours Island in the Elly
45 g. mils
Time of day, 3, 13
State of sky, Clear
Temperature of air,
" surface of water. 6.9
" all deprins 5" brown, 64
" of bottom, 6 5
Depth, in fathous,
Nature of bottom, 2000 15
Direction of sortage correct, Mind D W
Force of surface energet, do 2
Direction of bottom correspon, Alaskie 2
Former I bottom turners, Oly 1/4 The
Name of vessel, Rich Horse
To what service attached, MAFC
Name and rank of commanding officer.
Name and position of observer,

Paendoptensoneetis americanus Lophopettei maculata Poronotus macauttus Poronotus Convicius Stub Santomus anyporpo Rosia larvis muacua Eggs ryving. Druge

TEMPERATURE RECORD.

Instrument used, 2
Current number of observation, 886
Date, Sept 21
Locality, attactic
Bearings, Louis Det Della St. N 3/4 77
5 3/4 Briles.
Time of day, 12.47 ; of tide,
State of sky, Oldon
Temperature of air, 67
surface of water, 64
" at depth of 5 fathous 62.
" of bottom, 62
Depth, in fathoms, 19
Nature of bottom, Aralla -
Direction of Hering correct, much Wesh.
Force of surface current, do 2 -
Direction of bottom comes. Duff # # N
Paint of bottom comments do 4 mm 14
same of reach Hank
o what service attached, W. A. F. C.
latne and rank of commanding officer,
Th. 3. L. Zum

Name and position of observer,

Travel

Instrument used, 2 7
Current number of observation, 887
Date, Ofth 21
Locality. alimities
Boaring, Sty Lak House N/2 m
5-3 miles 131
Time of day, 1.30 : of tide,
State of sky, Ollar
Temperature of sir, 67
· surface of water. G 9
at depth of 5 harbons, 62
of hottom, 6 Z
Depth, în fathous, / 9
Nature of hottom, Atules
Direction of surface comments, Frink
Force of surface out at, do 2
Direction of total Drift W ford
From of hottom arrest, do 3/4 m
Name of result, Fish Harak
To what service attached, & L. H.C.
Name and rank of commanding officer,
Sh. J. L. Tomas
Name and position of observer,

Trawl

Instrument used, \mathcal{H} 3
Current number of observation, 888.
Date, Alph + 21
Locality, Altantic.
Bearings, Bull fel Hack tel: NXE
6 miles
Time of day, 2 /2 2W ; Attite.
State of sky, Olse
Temperature of air, 68
" surface of water, 69
at depth of 4 fathons, 62
" of hotton, 62
Depth, in fathores, 19
Nature of bottom, shelle -
Direction of surface with the the
Porce of smiles correct, No 3
Direction of bustons werent, Durch W
Fire of Instances of 1/2 m
Name of vessel, Fish Hank
To what service attached, W. L. 7. C.
Name and rank of commanding officer, L. J. L. Zurren
······································

Alrelge TEMPERATURE RECORD.

Instrument used,
Current number of observation, 879
Date, Rept 21
Locality, attantie
Bearings, would fish Black beloved my S
5 miles man
Time of day, 3.50 ; of tide,
State of sky, Class
Temperature of air, 6 8
" surface of water, 6 4
" at depth of 5 fathous, 62
" of bottom, 6/. 5
Depth, in fathoms, //
Nature of bottom, Walking
Illigation of series areas, Bearing W
Force of surface current,
Direction of bottom correct, Drift WA W
Force of batture garrent, do /2 /2
Name of vessel, Fish Hank
To what service attached, W. L. A. C.
Name and rank of commanding officer. L. 13. L. Zarranese
Name and matter of abserver

Instrument used. 24 3
Current number of observation. 790
Date, sufest 21
Locality, allers Co
Briston, Smild Lat Black plant TV /4 S
43/4 miles
Time of day, 4.15 pm : of tide.
State of sky. Clear
Temperature of air, 68
surface of water, 54
at depth of 5 fathoms, 62
of bottom, 6/.5
Depth, in fathoms, //
Nature of bottom, Roy hy
Direction of surface current, Minde
Force of surface current, do 3
Direction of bottom current, Louiss 229 72
Fire of lattom account, do 12 722
Name of vessel, Fish Hank
To what service attached, W & 7
Name and rank of commanding officer,
th 3 L. Lance
Name and position of of server,

Instrument used, //
Date, U A Z
Locality, Allandia
Bearings Lat 37 450 hong 71.10 2
Time of day, 6 case ; of tide, State of sky, Oliver
Temperature of air, 60
* surface of water, 67
at depth of fathous,
Depth, in fathores, Source described for the Acceptance
Nature of bottom,
Direction of management, French NEX
Forme of statement married, alo 3
Direction of Lotton correspond, Duffy 1/2
Name of vessel, Fish Heart
To what service attached, WA To C
Name and rank of commanding officer,
2 2 2
Name and position of observer,
in a n+d-

Your C

Justiniment used, 7
Current number of observation. 8-92
Date Oct 2
Locality,
Berings, 244- 37, 46
an 11. 45 m
Time of day, & 46 ; of tide.
State of sky,
Temperature of sir. 64
" surface of water,
" at depth of futbons.
of bottom, we have a first the same of bottom.
Depth, in fathores, 15 4 5
Natural laters, much themself wow
Direction of surface and the French
Form of surface correction, No.
Direction of latton and Outh 11 15 =
For of hottom and do to make
Same of reach Link House
To what service attached, M. L. H. C.
Name and rank of commanding officer,
LA L. Lamer
Name and position of observer,

893

Instrument used.

Current number of observation,

Date, Oct 2
Locality,
Bearings, Ash = 39.52.20 N
Time of day, 11. 2. 3 ; of tide,
State of sky,
Temperature of air, 2
surface of water.
" at depth of fathoms,
" of bottom, 40
Depth, in fullesms. 3/12
Natural Sections, March Street Story
Direction of surface search, The search
Force of surface survey, do
Direction of bottoms current, Death 25 ch Porce of bottoms current
Name of record . High Handle
To what service attached, W. L. F. C.
Name and rank of commanding officer,
Name and position of observer,
stane and position in diserver,
46.46.50.53.52.55-

Instrument used,
Current number of observation.
Dute.
Locality,
Bearings, A 39, 53
miny-70.5830 W
Time of day, () () of tide,
State of sky, Office
Temperature of air, 63
surface of water, to
" at depth of fathous,
" of battom, 40
Depth, in fathous, 3 6 5
Nature of bottom,
Direction of suche second. 720 mel
Force of surface comment,
Direction of bottom correst, With
Force of bottom current, do 2
Name of vessel, Fish Hawk
To what service attached, Tr. 4. 7.
Name and rank of communiting officer.
It g. L. Lame
Name and position of observer,
in -
Har A . Y.

Long of abramation.

-7
Instrument used.
Current number of observation,
Date. Och 2
Locality,
Bearings, 2 - 39 M. 30 M
1024 1500 76.52 45 70
Time of day, 3 of tide.
State of sky, Clean
Temperature of air, 6 2
" surface of water, (1)
at depth of fathoms,
" of hottom, 42 MC
Depth, in fathoms, 2 3
Nature of hottom,
Direction of surface cortest, Zand Ar 70
Force of serface entrent, do
Direction of bottom current.
Francial International 1/2
Name of vessel, Fish Hank
To what service attached. W. A. F. C.
Name and rank of commanding officer,
It. g. L. Zammen
Name and position of observer,

leg of drivation -

Free -

Instrument used, 71 3
Current number of observation, 876
Date. Nopre 16 /80
Locality, allante
Bearing, Lat 3226 2.
Time of day, 200 mg of tide.
State of sky,
Temperature of air, 5 2
surface of water, 62
at depth of fathours,
" of bottom. F2 55" (46 633)
Depth, in fathoms, 5-6
Nature of bottom, Land 2 Melle -
Direction of marine outside, grand Ny
Force of surface current. the 2
Direction of Lancemanning 10 th 18 18 18 18
Force of bottom consunt.
Name of vessel, Kink Hank
To what service attached, 20 A 7
Name and rank of commanding officer,
4y L Lamen
Name and position of observer,
Dr Van Vist

Lake Long And girl to Constan

Instrument used, 71 7	
Current number of observation, 597	
Day Nevr 16/50	
Locality, Alternatic	
Bearings, Last. 37. 25 00 N	
Eng-74.18 W	
Time of day, 10.18 Com: of tide,	
State of sky, Le	
Temperature of air, 62	
surface of water, £2	486000
at depth of fathous,	
2 -	46418
Depth, in fathoms, 157/2	
Nature of bottom, much of Auch	
Direction of surface consent, A	may a
Fens of surface current, 2	_
Direction of honour current. 19	
Force of bettem current,	21
Name of vessel, Harry	1
To what service attached,	
Name and rank of commanding officer,	1
Hg & Zummer	
Name and position of observer,	
Her Yan Klick	

Travel BERRE

Instrument used. Current number of observation,
Current number of observation, 57
Date, /5/
Locality, Martie
Bearings, Jak - 37 24 %.
1004-741. 17. asing
Time of day, 11. 25 of ride.
State of sky,
Temperature of air, Gd
" surface of water. 62 (45 455-
" at depth of fathous.
" of bottom (46 (46 22)
Depth, in Eathorns
Nature of bottom, 731 771
Direction of surface current, 22 mile & w
Force of surface ourseas,
Direction of bottom convent. Light W
Force of bottom current,
Name of vessel. Fish Hamb
To what service attached,
Name and mak of commanding officer,
Name and position of observer,
He Van Klick



Travil

Testroment used.
Christ number of observation. 899
Date. 14 VY 16 / 80
Locality, Stewarte
Bearings, 2 2 2 2 2
Time of day, 22 9 6 hay ; of tide,
Time of day, 2 2 2 7 ; of tide,
State of sky, & e
Temperature of air, 5-8
" surface of water, 6 /
" at depth of fathons,
" of bottom, 574
Depth, in fathoms, 57/2
Nature of bottom, Land
Direction of surfacements Branch LV
Proce of evolution encounts, do
Direction of bottom current, Duff An
Force of bottom currents 1/2 22
Name of vessel, Figh Harry
To what service attached, WS A
Name and rank of communities officer,
Name and position of observer,
Alr Yan Y lich



Travel

717
Instrument used.
Current number of observation, Oloro
Date, 1207 16
Lordby, allen tre
Bearings Luf 27.15 h
Fany 74.41 W-
Time of day, 4 p 3w ; of tible.
State of sky, Olece
Temperature of air, 3 3
" surface of water, 54
" at depth of fathous,
" of buttom, 3 %
Depth, in fathoms, 3 /
Nature of bottom,
Direction of suches current, many 12 m
Force of surface turrent,
Direction of hottom current, Allerial W
Force of bottom corrent, /2
Name of vessel,
To what service attached, M. A. A. C.
Name and rank of commandles officer,
It 1 Lumen
Name and position of observer,
Aly Van Vlack

Instrument used, 2
Current number of observation, 901
Date, Wor 16/80
Locality, clifantie
Bearings, Lat 32.10 m.
Lung 75,08. W
Time of day, 7, 15- h ; of tide,
State of sky, Phight mounting ht
Temperature of air, 53
" surface of water o
" at depth of fathoms,
of bottom,
Depth, in fathoms, / 8
Nature of bottom, Aavd
Direction of surface current, mark 2m
Force of surface current, do
Direction of bottom current, Duil
Force of bottom current;
Name of vessel, . Fish Hank
To what service attached, WS 7 C
Name and rank of commanding officer,
It & L. Larmen
Name and position of observer,

Chyster Hudge TEMPERATURE RECORD.

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Instrument used,
Current number of observation, 902
Date, Llees 9 1880
Locality, Polomoe Rinea
Bearings, PA Lookoul SEXE 3, 4m
Time of day, 9. 53 m; of tide,
State of sky, Olles
Temperature of air, 30
" surface of water, 45 50 46405
" at depth of fathoms,
" of bottom, 40 46402
Depth, in fathoms,
Nature of bottom, Osslin hunk.
Direction of surface current, Windle NW
Force of surface current, do 3
Direction of bottom-corrent, Duff nm
Force of bottom empent, do 5 minutes
Name of vessel, Hish Harrek
To what service attached, WS 7 6
Name and rank of commanding officer,
It y L Zamen.
Name and postion of observer,
. 0
11-200